SYNJ1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SYNJ1, Polyclonal Antibody
Full Product Name	SYNJ1 (Synaptojanin-1, Synaptic inositol 1,5-trisphosphate 5-Phosphatase 1, SYNJ1, KIAA0910) (MaxLight 750)
Product Gene Name	anti-SYNJ1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes SYNJ1. Species Crossreactivity: human, mouse, rat
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	604297
3D Structure	ModBase 3D Structure for O43426
Immunogen	KLH conjugated synthetic peptide corresponding to aa1148-1182 at the C-terminal region of human SYNJ1.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-SYNJ1 antibody	Antibodies; Enzymes
Applications Tested/Suitable for anti-SYNJ1 antibody	Western Blot (WB)
Application Notes for anti-SYNJ1 antibody	WB: 1:1000-1:2000 Applications are based on unconjugated antibody.
Related Product Information for anti-SYNJ1 antibody	MBS6459625 is an antibody targeting SYNJ1. Also known as SYNJ1 (Synaptojanin-1, Synaptic inositol 1,5-trisphosphate 5-Phosphatase 1, SYNJ1, KIAA0910) (MaxLight 750). Reactive in Human, Mouse, Rat. Host: Rabbit.
Product References and Citations for anti-SYNJ1 antibody	Haffner C., et al. FEBS Lett. 419:175-180(1997). Nagase T., et al. DNA Res. 5:355-364(1998). Nakajima D., et al. DNA Res. 9:99-106(2002). Hattori M., et al. Nature 405:311-319(2000). Cestra G., et al. J. Biol. Chem. 274:32001-32007(1999).
Other Notes	Small volumes of anti-SYNJ1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SYNJ1. It may not necessarily be applicable to this product.

NCBI GI #	215273894

NCBI GeneID	8867
UniProt Primary Accession #	O43426
UniProt Related Accession #	O43426
NCBI Official Full Name	Synaptojanin-1
NCBI Official Synonym Full Names	synaptojanin 1
NCBI Official Symbol	SYNJ1
NCBI Official Synonym Symbols	EIEE53; INPP5G; PARK20
UniProt Protein Name	Synaptojanin-1
UniProt Synonym Protein Names	Synaptic inositol-1,4,5-trisphosphate 5-phosphatase 1
Protein Family	Synaptojanin
UniProt Gene Name	SYNJ1
UniProt Synonym Gene Names	KIAA0910
UniProt Entry Name	SYNJ1_HUMAN
NCBI Protein Information	synaptojanin-1
NCBI Summary for SYNJ1	This gene encodes a phosphoinositide phosphatase that regulates levels of membrane phosphatidylinositol-4,5-bisphosphate. As such, expression of this enzyme may affect synaptic transmission and membrane trafficking. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
UniProt Comments for SYNJ1	SYNJ1: Inositol 5-phosphatase which has a role in clathrin- mediated endocytosis. Belongs to the synaptojanin family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Carbohydrate Metabolism - inositol phosphate; Phosphatase, lipid; Motility/polarity/chemotaxis; Vesicle; EC 3.1.3.36 Chromosomal Location of Human Ortholog: 21q22.2 Cellular Component: membrane coat; cytosol Molecular Function: RNA binding; phosphoinositide 5-phosphatase activity; nucleotide binding; inositol-polyphosphate 5-phosphatase activity Biological Process: inositol phosphate metabolic process; neurotransmitter transport; phospholipid metabolic process; inositol phosphate dephosphorylation; synaptic vesicle endocytosis; phosphatidylinositol biosynthetic process; synaptic vesicle transport; phosphoinositide dephosphorylation; synaptic vesicle uncoating; phosphatidylinositol metabolic process; synaptic vesicle priming; phosphate metabolic process Disease: Parkinson Disease 20, Early-onset
Research Articles on SYNJ1	**1.** SYNJ1 contributes to memory deficits in the aging hippocampus in all forms of Alzheimer's disease.
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